Backup Manager

User Manual

Version 1.1

The English version of this document is the only legally binding version. Translated versions are not legally binding and are for convenience only.

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Software License Agreement

The software license agreement can be found at the following location:
http://www.doremilabs.com/support/cinema-support/cinema-warranties/

Hardware Warranty

The hardware warranty can be found at the following location:
http://www.doremilabs.com/support/cinema-support/cinema-warranties/

1 Introduction

1.1 Purpose

This manual is intended to guide the user through the use of the DCP-2000 software application Backup Manager. This program allows the user to back up and restore the following files on a server:

- **Doremi:** These files include configuration files, devices, SNMP threshold, audio, and databases.

- **Identity:** These files include Doremi SecurityModule identity certificates.

- **KDMs:** These files include KDMs and DLMs.

- **Network:** Includes IP addresses, DNS configurations, etc.

- **System:** These files include system user accounts, group configurations, and timezone information.

Note: The Backup Manager will generate an automatic backup of these files at every power up and after every reboot to the local drive (e.g., RAID). Only the five latest configurations will be saved on the local drive (RAID). From these five latest configurations, the most recent backup is restored. The user can manually back up files to the local drive or external drive (e.g., e-SATA or USB), or restore from an external drive at any time.

1.2 Software Version

This user manual is for use with software version 2.4.x and higher.

1.3 Contact Information

If in need of help or assistance, please contact Doremi Labs Technical Services:
USA
24/7 Technical Services line: **+ 1-866-484-4004**
Technical Services Email: cinemasupport@doremilabs.com

Europe
24/7 Technical Services line: + **33 (0) 492-952-847**
Technical Services Link: http://support.doremitechno.org/ticketing

Japan
Technical Services line: + **044-966-4855**
Technical Services Email: support@doremilabs.co.jp

Australia ~ China ~ India ~ Indonesia ~ Korea ~ Malaysia ~ New Zealand ~ Philippines ~ Singapore ~ Taiwan ~ Thailand
Technical Services Email: supportasia@doremilabs.com

2 Backup Manager Application

2.1 Automatic Backup of System

At every power up and after every reboot, the Backup Manager application will generate an automatic backup file to the local drive (e.g., RAID). It will also allow the user to back up and restore the configuration files to and from an external drive (e.g., e-SATA or USB).

2.1.1 Viewing the Backup File Record(s)

- **(A)** To access the Control Panel window, scroll to the Menu option in the bottom left of the desktop (see Figure 1).
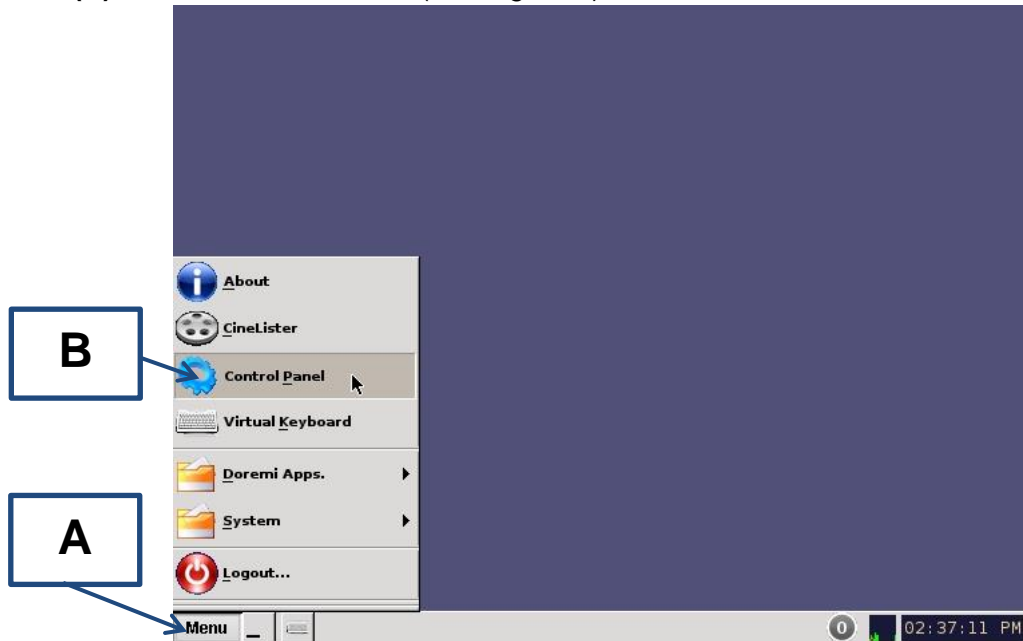
- **(B)** Click on Control Panel (see Figure 1).

Figure 1: Menu Option

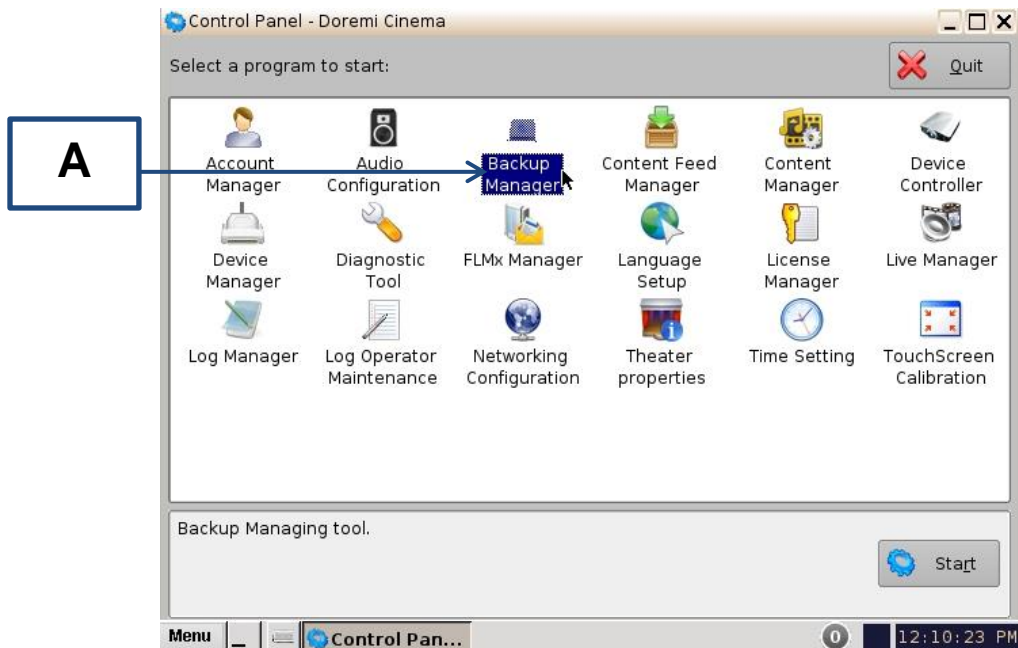- **(A)** Click on the Backup Manager icon to access the application (see Figure 2).

Figure 2: Control Panel Window

- The Home page window will appear, showing the information from the last backup performed automatically (see Figure 3).
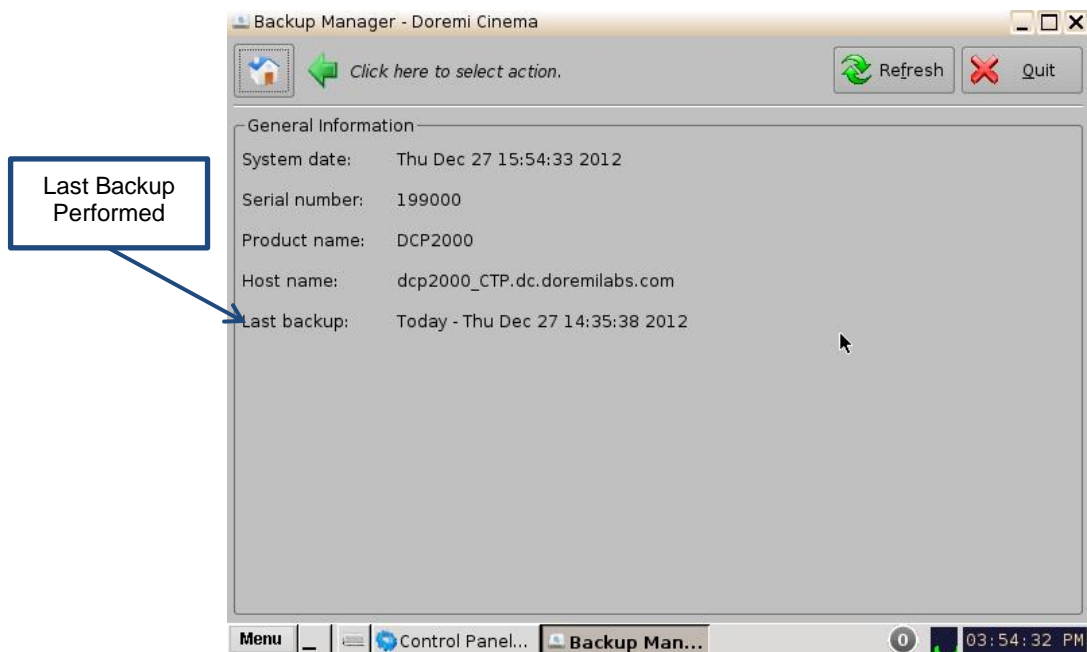

Figure 3: Home Page

3 Restoring the System to a Previous Backup

This section applies to units that have had the SSD flash drive replaced. Every time the SSD flash drive is removed or repaired, the user will receive a message asking to restore the configuration files (see Figure 4):

- **Yes:** The user can choose to restore now by clicking on Yes. This will restore the configuration files on the RAID to the new SSD flash drive.

- **No:** The user can choose not to restore now by clicking on No. This will generate a backup file based on the current configuration on the SSD flash and place it on the RAID.

Note: If you select "No" by mistake, you can manually restore the latest configuration from the second most recent record.

- **Ignore:** The user can choose to ignore the message for now by clicking on Ignore. This will perform no restore or backup processes.
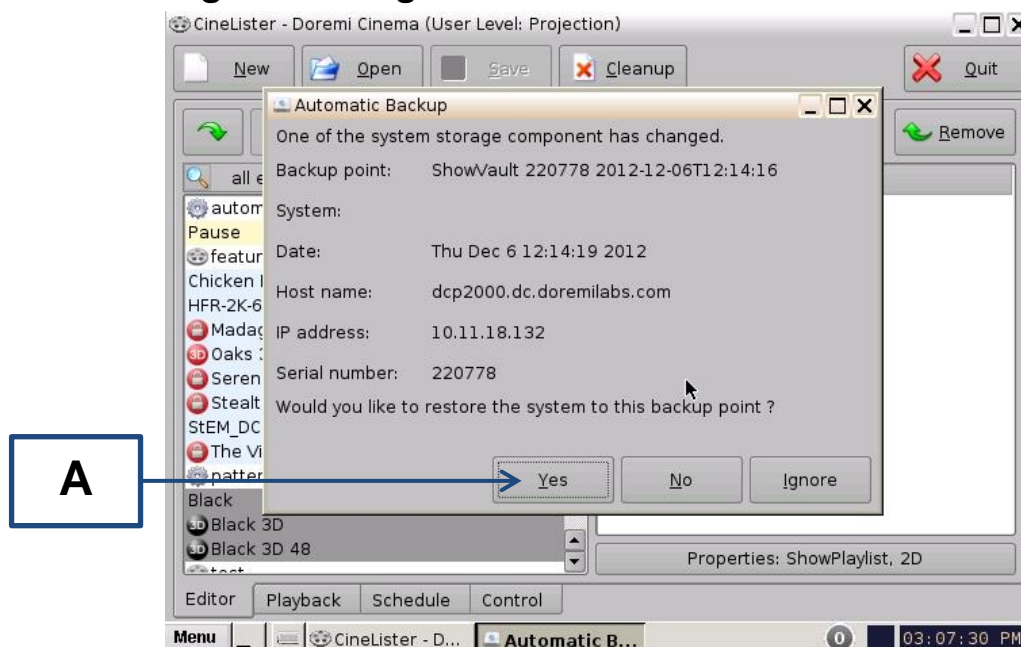
3.1 Restoring the Configuration Files

Figure 4: Restore

- **(A)** To restore the configuration files now, click on Yes.
- A confirmation window will appear, asking to proceed with the restoration process. Click on Yes.
- A log in window will appear. Enter the appropriate password and click on Ok.
- The restore process will now begin (see Figure 5).

Note: You may cancel at any time by clicking on the Cancel button (see Figure 5).
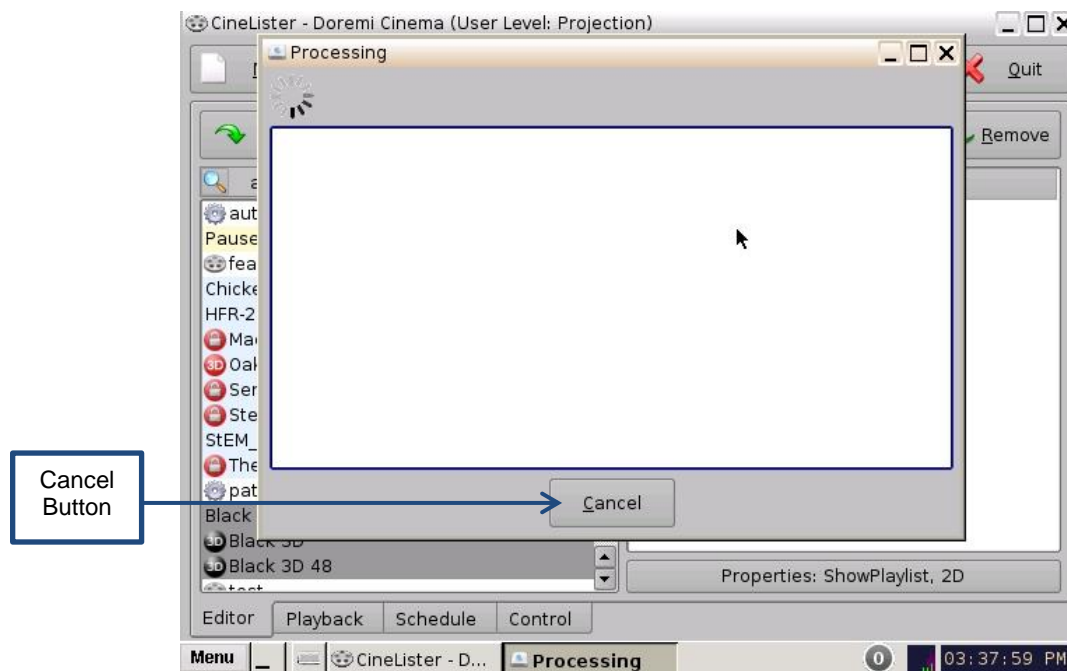

Figure 5: Restore Process Window

- After the process is complete, a Reboot confirmation window will appear asking the user to reboot the unit (see Figure 6).

- Click on Reboot to complete the restore process (see Figure 6).

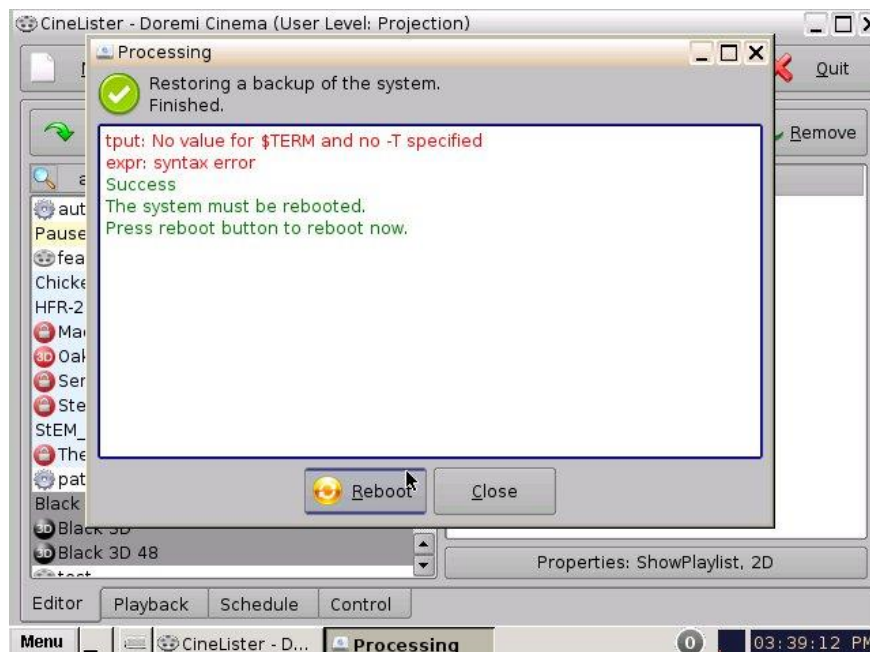**Note:** The reboot process will take approximately 3 minutes to complete.

Figure 6: Reboot Confirmation Window

- After the unit has rebooted, the configuration files will have been restored. The restore process is now complete.

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4 Manual Back Up and Restore

Note: This section assumes the user wants to manually back up or restore the configuration files at any time. The user can back up or restore the configuration files to a local drive (RAID) or to an external drive (e.g., e-SATA or USB).

4.1 Manual Back Up to RAID

- **(A)** Click on the Backup Manager icon to access the program (see Figure 7).
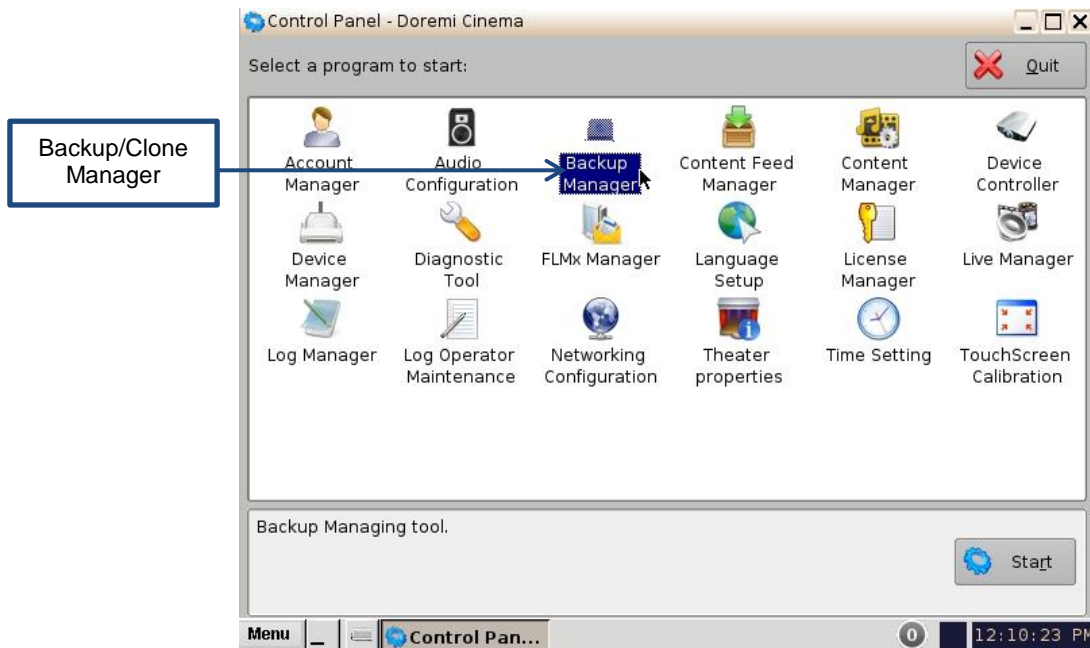

Figure 7: Control Panel Window

- The Home page window will appear, showing the information from the last backup performed automatically (see Figure 8).
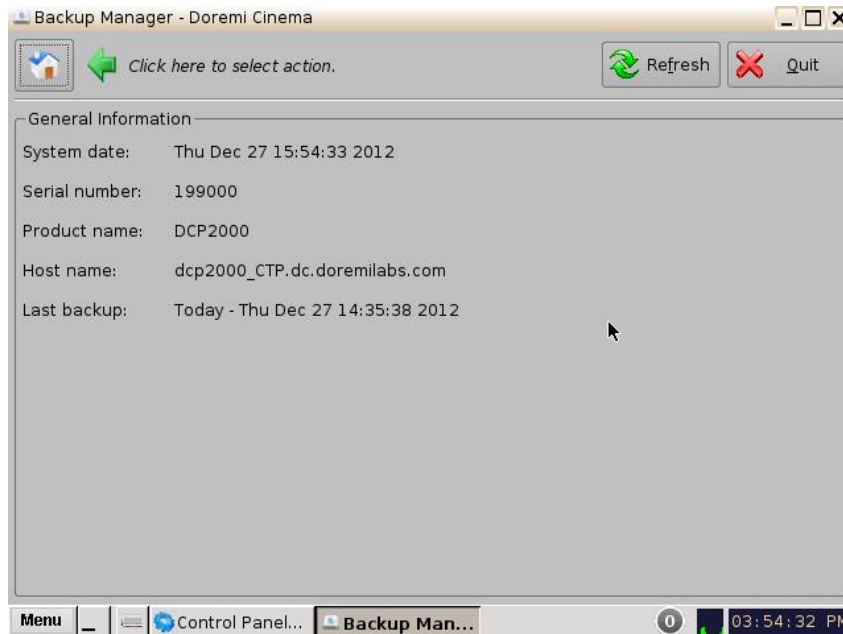

Figure 8: Home Page

- **(A)** To manually back up the material on the hard drive, click on the Home icon located in the top left corner of the window (see Figure 9).
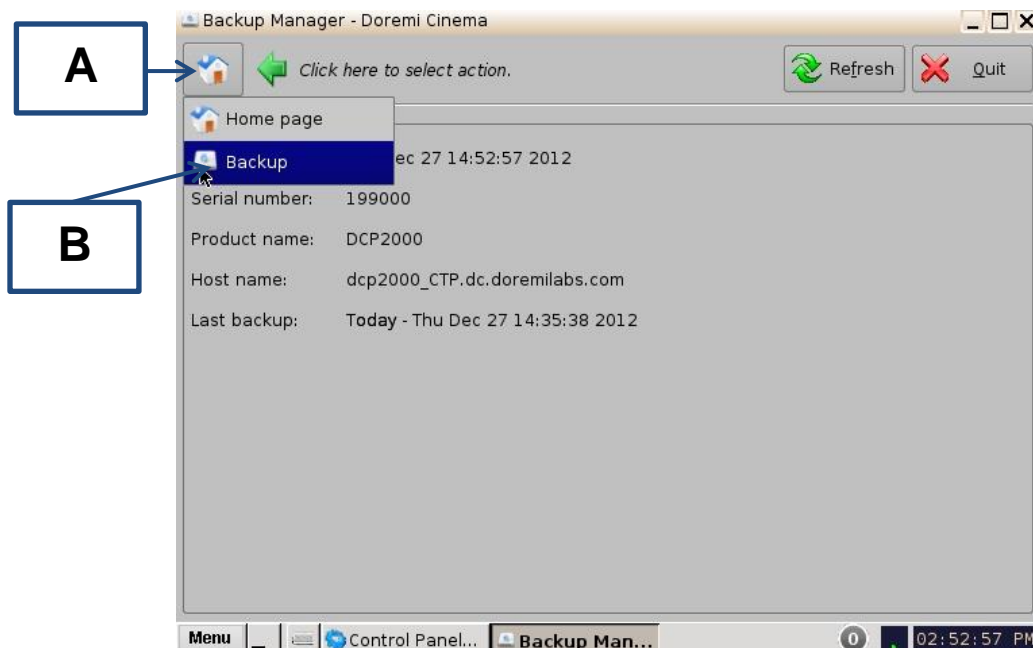
- **(B)** Scroll to and click on Backup (see Figure 9).

Figure 9: Backup

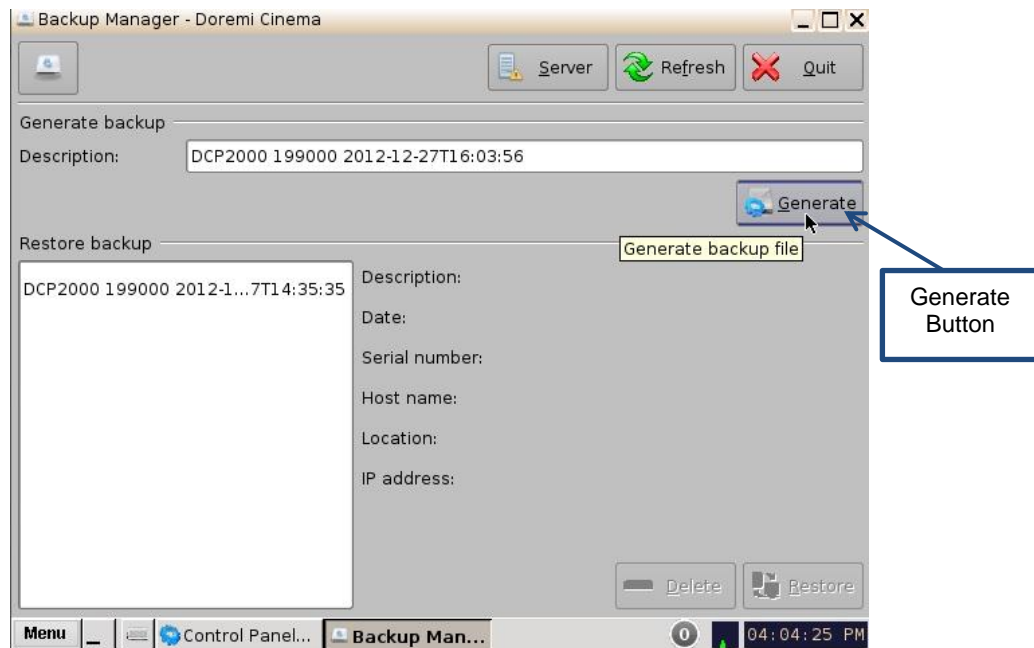- The following window will appear (see Figure 10).

Figure 10: Generate Button

- Click on Generate to begin the backup process (see Figure 10).

- A log in screen will appear. Enter the appropriate password and click on OK.

- The Select Disk window will appear (see Figure 11). Select the location where you want to save the backup file. You can either save to local disk (RAID) or to an external drive.

- Once you have selected the location, in this case local disk, click on the Ok button.
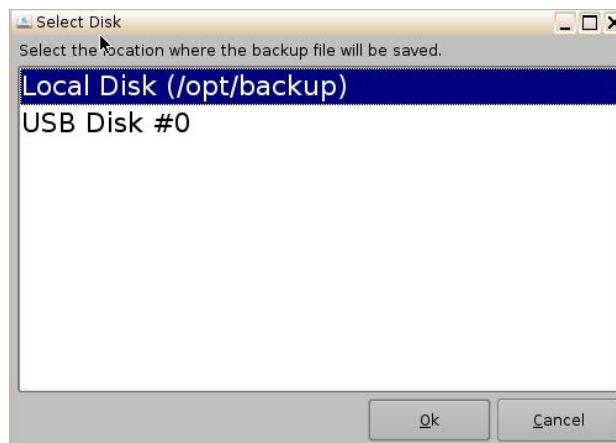

Figure 11: Select Location of Backup File

- The backup process will now begin.

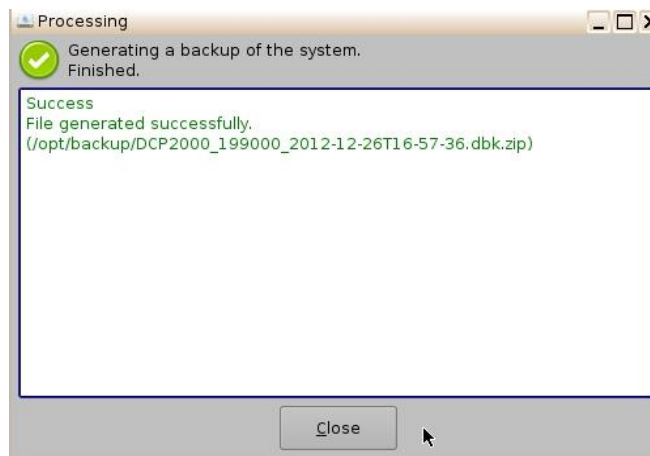- The Backup Generation window will appear (see Figure 12). This will indicate the backup process was a success.

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Figure 12: Backup Generation Window

- Click on the Close button to exit out of the Backup Generation window. You will be returned to the following window (see Figure 13).

- This window will list the attributes of the backup file. These attributes include the date the backup file was completed; the serial number of the unit; the host name of the network; the location where the backup file is located; and the IP address of the network (see Figure 13).

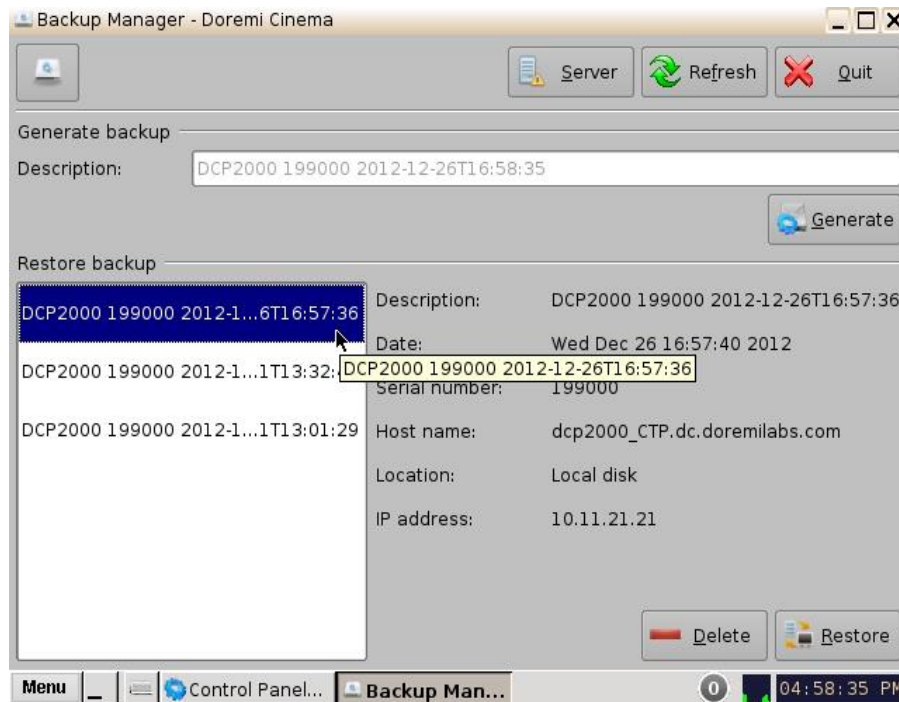- The manual backup process is now complete.

Figure 13:

4.2 Manual Back Up to External Drive

To back up the configuration files manually to an external drive (e.g., e-SATA or USB), follow the instructions in this section.

- Insert an external storage device into the unit. For this example, a USB flash drive will be used.

- Click on the Backup/Clone Manager icon to access the program.

- The Home page window will appear.

- To manually back up the material to the USB flash drive, click on the Home icon located in the top left corner of the window.

- Scroll to and click on Backup.
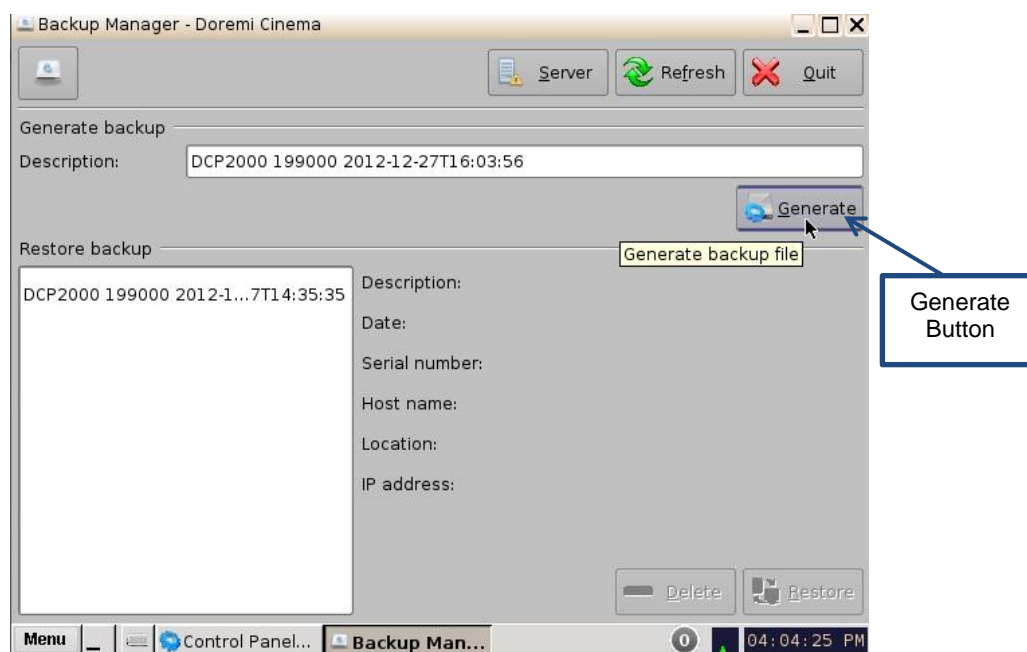
- The following window will appear (see Figure 14).

Figure 14: Generate Button

- Click on Generate to begin the backup process (see Figure 14).

- A log in screen will appear. Enter the appropriate password and click on OK.

- The Select Disk window will appear (see Figure 15).

- Select and highlight the external drive. For example, select "USB Disk #0."
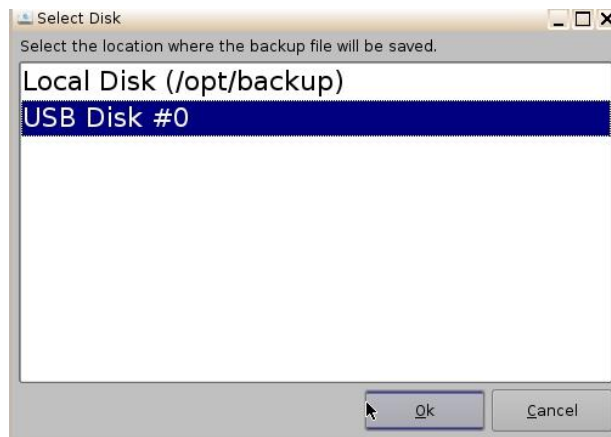
- Click on the Ok button.

Figure 15: Select Location of Backup File - USB

- The backup process will now begin.

- The Backup Generation window will appear (see Figure 16). This will indicate the backup process was a success.
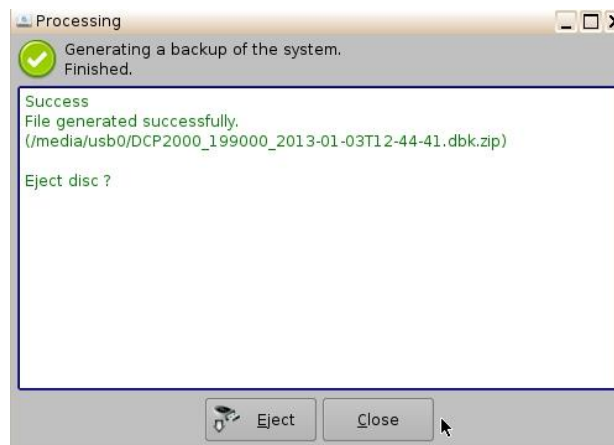

Figure 16: Backup Generation Window

- Click on Eject.

- A log in window will appear. Enter the appropriate password and click on Ok.

- Remove the external drive from the unit.

- Click on Close.

- The manual backup process is now complete.

4.3 Deleting Backup File(s)

- If you want to delete a backup file that was previously generated, select the file from the left hand side and click on the Delete button (see Figure 17).
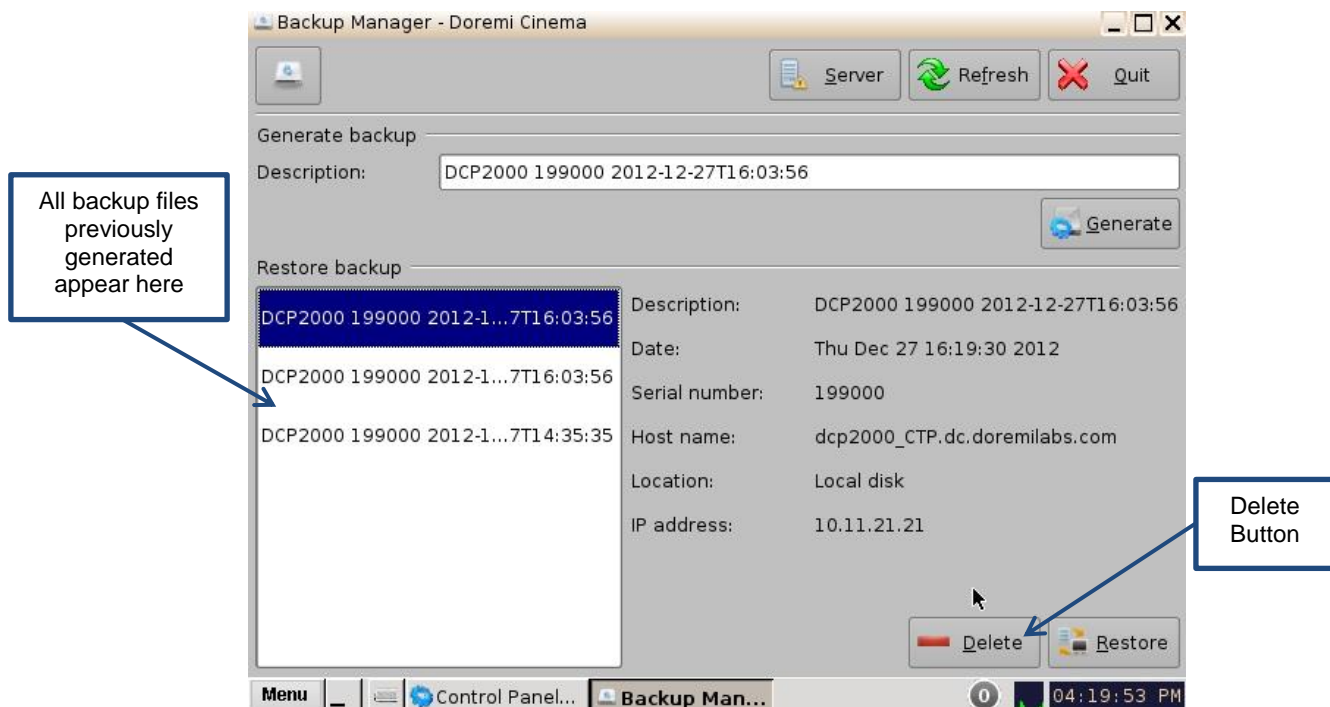

Figure 17: Delete Button

- The following confirmation window will appear. To continue the deletion process, click on the Yes button (see Figure 18).
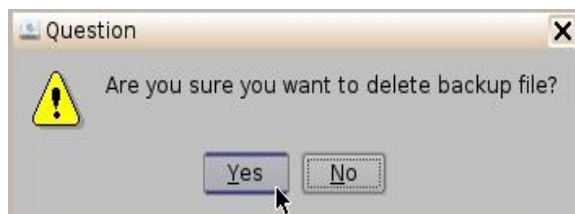

Figure 18: Confirmation Window

- The backup file is now deleted.

4.4 Restoring Backup File(s)

4.4.1 Restoring from RAID

- To restore any or all files, select the backup file from the left hand side and click on the Restore button (see Figure 19).
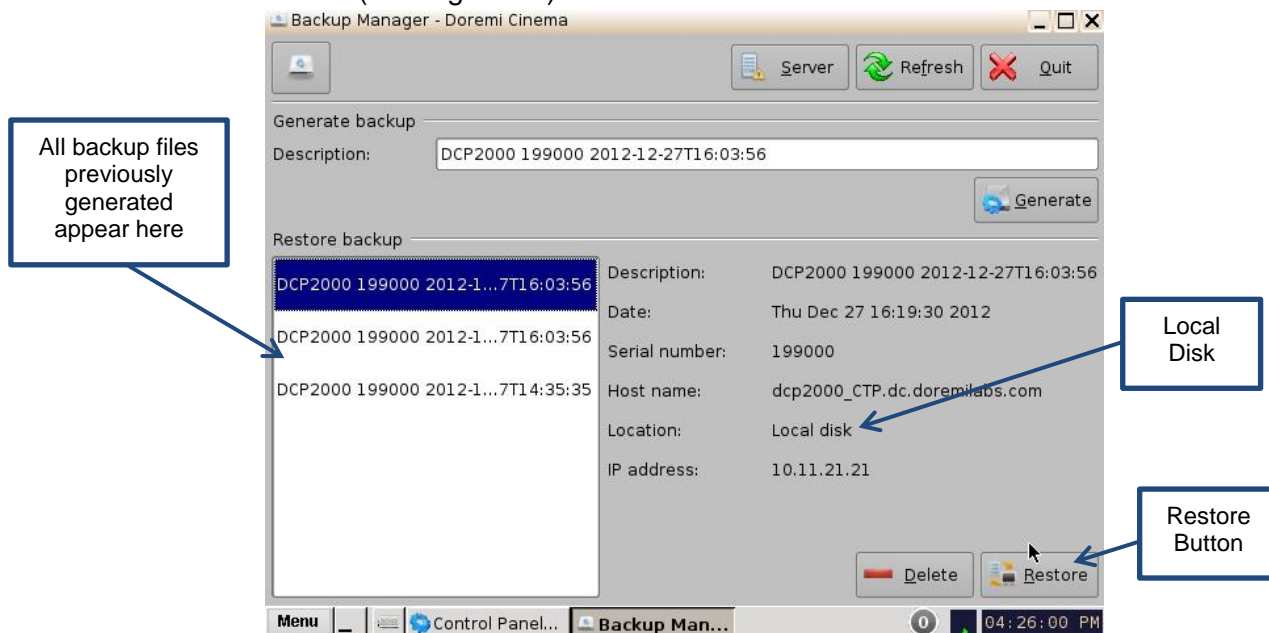

Figure 19: Restore Button

- A log in screen will appear. Enter the appropriate password and click on OK.

- The Restore Category Selection window will appear (see Figure 20). Here, you will be able to choose which types of files to restore, or you can select all files to restore:

Note: You must click on the item on the left hand side and highlight it to receive the proper item desciption on the right hand side (see Figure 21).

- o **Doremi:** These files include configuration files, devices, SNMP threshold, audio, and databases.

- o **Identity:** These files include Doremi SecurityModule identity certificates.

- o **KDMs:** These files include KDMs and DLMs.

- o **Network:** Includes IP addresses, DNS configurations, etc.

- o **System:** These files include system user accounts, group configurations, and timezone information.
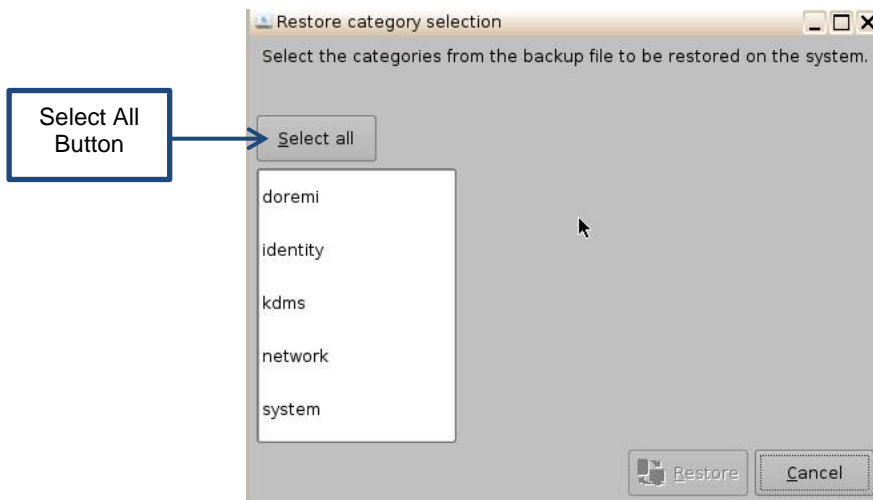
Figure 20: Restore Category Selection Window

- For example, if you decide to select "kdms," highlight the item on the left and click on the Restore button (see Figure 21).
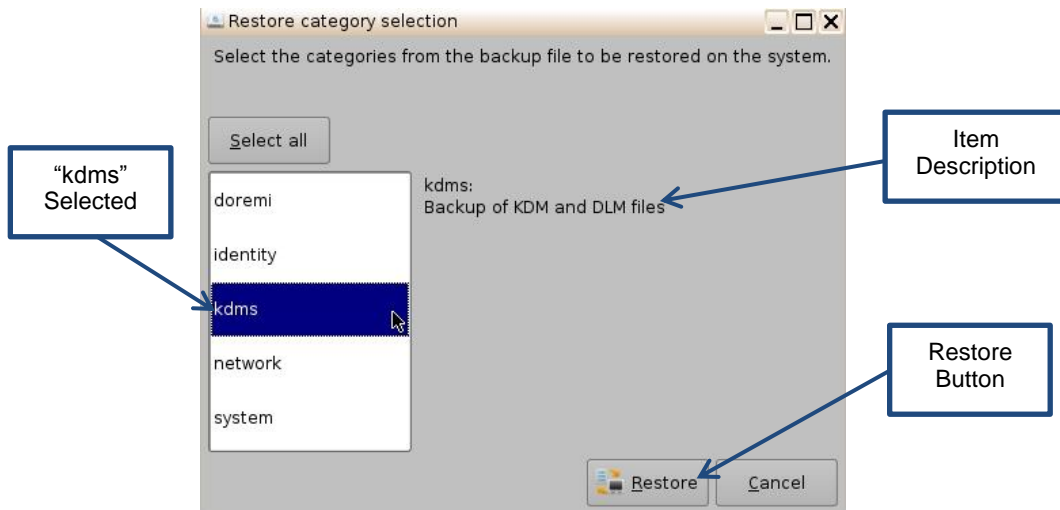

Figure 21: "kdms" Selected

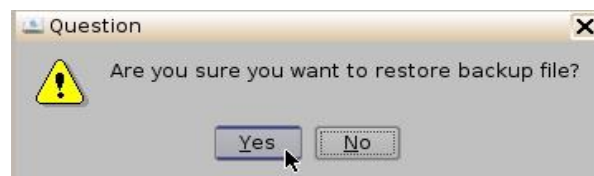- The following confirmation window will appear. Click on Yes to complete the restore process (see Figure 22).

Figure 22: Confirmation Window

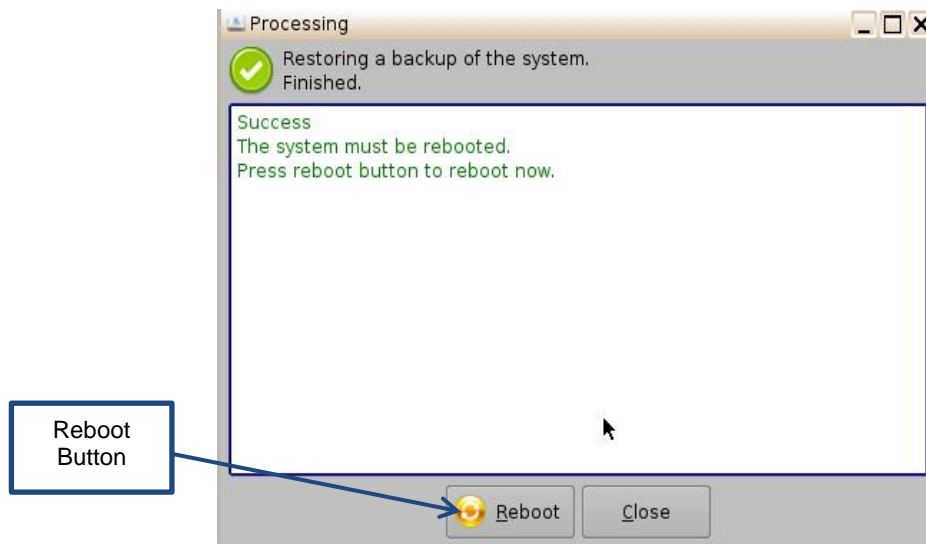- The Processing window will appear (see Figure 23).

Figure 23: Processing Window

- You will be required to reboot the system to complete the restore process. To reboot the system, click on the Reboot button (see Figure 23).
  - o If you decide not to reboot, click on Close button. The unit will not reboot. This will not complete the restore process.

Note: The reboot process will take approximately 3 minutes to begin.

- The restore process is now complete.

4.4.2 Restoring from an External Drive

- Insert the external drive into the unit. The name of the external drive will be displayed in the Location section (see Figure 24).
- To restore any or all files from the external drive to the unit, select the backup file from the left hand side and click on the Restore button (see Figure 24).
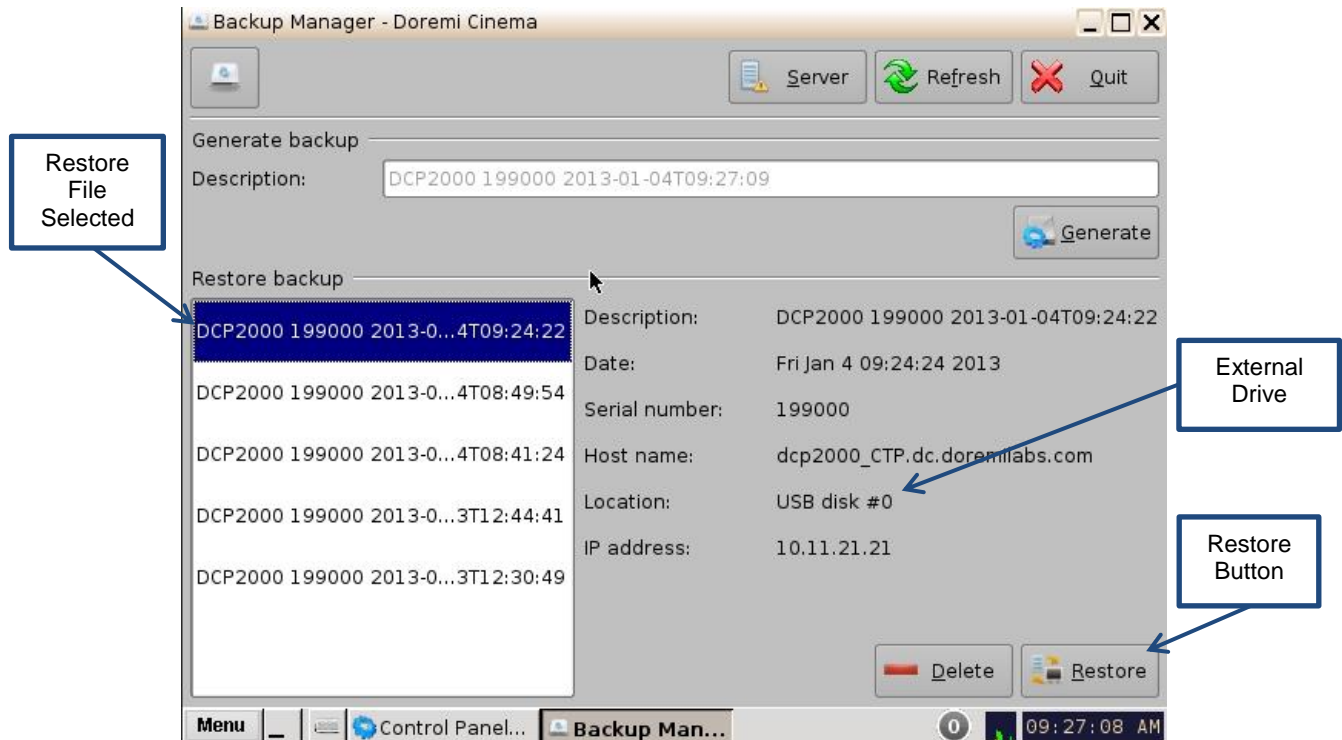

Figure 24:

- A log in screen will appear. Enter the appropriate password and click on OK.

- The Restore Category Selection window will appear (see Figure 25). Here, you will be able to choose which types of files to restore, or you can select all files to restore:

Note: You must click on the item on the left hand side and highlight it to receive the proper item desciption on the right hand side (see Figure 26).

- o **Doremi:** These files include configuration files, devices, SNMP threshold, audio, and databases.
- o **Identity:** These files include Doremi SecurityModule identity certificates.
- o **KDMs:** These files include KDMs and DLMs.
- o **Network:** Includes IP addresses, DNS configurations, etc.
- o **System:** These files include system user accounts, group configurations, and timezone information.
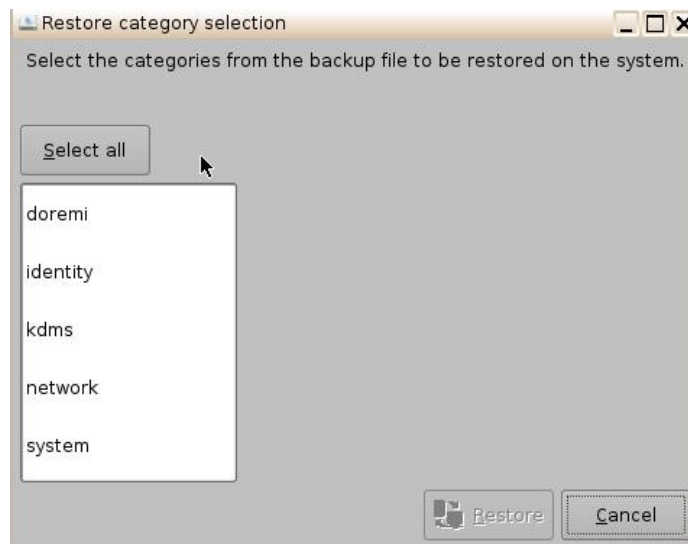
Figure 25: Restore Category Selection Window

- For example, if you decide to select "doremi," highlight the item on the left and click on the Restore button (see Figure 26).
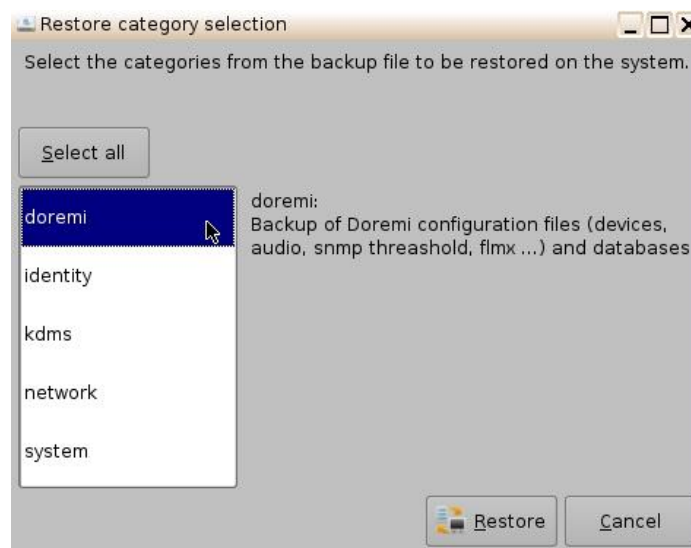

Figure 26: "doremi" Selected

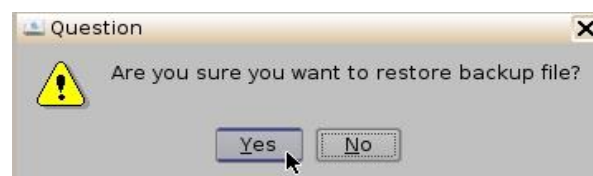- The following confirmation window will appear. Click on Yes to complete the restore process (see Figure 27).

Figure 27: Confirmation Window

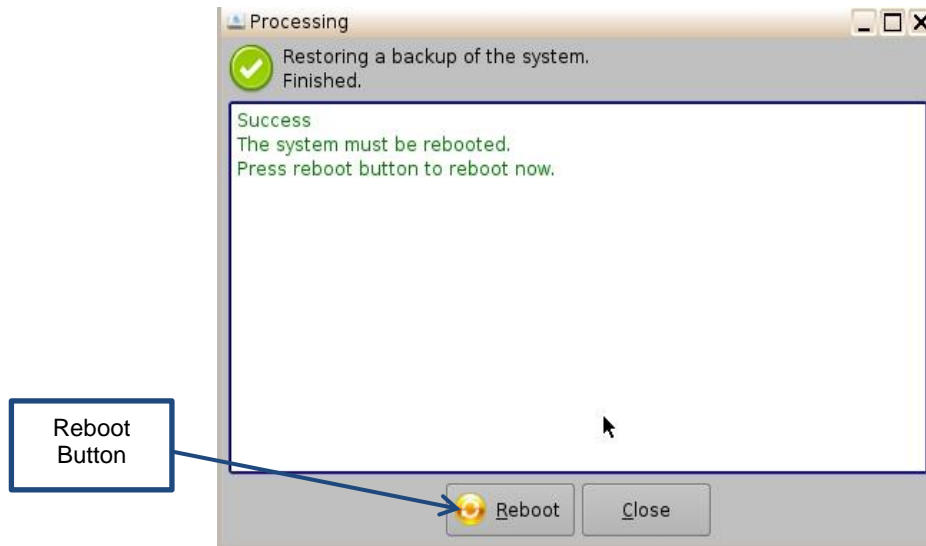- The Processing window will appear (see Figure 28).

Figure 28: Processing Window

- You will be required to reboot the system to complete the restore process. To reboot the system, click on the Reboot button (see Figure 28).
    - o If you decide not to reboot, click on the Close button. The unit will not reboot. This will not complete the restore process.

Note: The reboot process will take approximately 3 minutes to begin.

- The restore process is now complete.

5 Acronyms

Term	Definition
DLM	Doremi License Message
DNS	Domain Name System
IP	Internet Protocol
KDM	Key Delivery Message
RAID	Redundant Array of Independent Disks
SNMP	Simple Network Management Protocol
SSD	Solid State Drive

6 Document Revision History

Date	Version	Description
12/27/2011	1.0	First version.
04/26/2013	1.1	Revisions made to entire document.